

Loblolly pines, in a stand owned by S. H. Summerhill in Bullock County, illustrate a symptom of beetle infestation.

What's Wrong with My Pine Trees? It's the Ips Engraver Beetle!

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ou received an information packet in the mail from the Alabama Forestry Commission stating that you have beetles on your property. The immediate conclusion is that these beetle infestations are from southern pine beetles. The next response is most likely how to find a method of controlling or eradicating them.

Generally, most beetle infestations *do* result from southern pine beetles, but this year there was a slight deviation from the typical situation. Many infestations, especially detected spots in the southern part of the state, are actually the **Ips engraver beetle.**

Throughout each year, the Alabama Forestry Commission conducts different types of detection flights. For southern



An adult Ips grandicollis

pine beetle infestation, four aerial detection flights are completed – one in each region. From these flights, county AFC

personnel compile data and maps and send an information packet to the appropriate landowner. Ordinarily, most landowners would assume that the dying pine trees are infested with southern pine beetles. However, given the weather occurrences in 2005 and the drought situation from this year, the beetle culprit is most likely the Ips engraver beetle.

At the end of August 2005, Hurricane Katrina devastated the areas around the Gulf of Mexico, especially in Louisiana and Mississippi. Alabama, however, also received damage. Besides the obvious destruction of property, parts of the state

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A loblolly pine with pitch tubes visible on the bole.

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attacks severely stressed and injured trees, making pines in southern Alabama more susceptible. The drought that per-



Above: Landowner Summerhill and AFC County Manager William Clem take a look at the gallery patterns in the inner bark of an infested pine.

Right and below: The small Y and H gallery patterns in the inner bark created by the Ips engraver beetle.



sisted from April throughout the summer created an additional stress factor. For most of the pines infested with this beetle, there were no visible pitch tubes. The drought created a situation where the pines did not produce a lot of sap, therefore, not exuding pitch tubes. The main symptom of infestation was the browning of the needles.

The method of controlling or eradicating beetle infestation is to either salvage the pines and harvest a buffer around the infestation, or treat the pines with a recommended insecticide. With the recent increase in rainfall, perhaps some of the stress will be relieved.

The best solution to prevent or reduce the chance of beetle infestation is to maintain a healthy tree. For pines in residential areas, water them thoroughly

> once a week during a drought period. In a forest stand, mature pines generally keep their vigor when the basal area is approximately 70 to 100 square feet.

For more information about the Ips engraver beetle and related management recommendations, go to the Commission's website: www.forestry.state.al.us, select Forest Management, then scroll to Forest Management Information Sheets. Also, you may contact your local Alabama Forestry Commission office for assistance or information.

